

MATHEMATICS - ASSOCIATE IN SCIENCE

Plan Code: 2530

This degree is designed to recognize competency in mathematics at a postsecondary level. This Associate Degree may facilitate transfer for a four-year degree.

Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Analyze given information, then determine and execute a course of action.
- Analyze and interpret results.

Program Requirements

This degree requires the completion of General Education coursework plus the following:

Code Number	Course Title	Units
REQUIRED COURSES		
ENGL 1	Reading and Composition <small>javascript:void(0)</small>	4-5
or ENGL 1H	Honors Reading and Composition	
or ENGL 1S	Reading and Composition with Support	
or ESL 1S	College Writing for Non-Native Speakers	
ENGR 54	Computer Methods	3.5
MATH 60/60H	First Calculus Course	5
MATH 70/70H	Second Calculus Course	5
MATH 80	Third Calculus Course	5
MATH 84	Intro Differential Eqns and Linear Alg	5
PHYS 3A	Physics for Sci. & Eng. - Mechanics	5.5
Subtotal Units		33-34
IN ADDITION, complete TWO (2) courses from the following:		
BIO 1A	Biology for Science Majors (5)	
BIO 1B	Biology for Science Majors (5)	
CHEM 1A	General Chemistry (5.5)	
CHEM 1B	General Chemistry (5.5)	
ECON 1/1H	Macro Economic Analysis (3)	
ECON 2/2H	Micro Economic Analysis (3)	
GEOL 2	General Geology, Physical (3)	
GEOL 3/3H	Historical Geology (4.5)	
GEOL 5	Environmental Geology (3)	
PHYS 3B	Physics for Sci. & Eng. - E & M (4.5)	
PHYS 3C	Physics for Sci. & Eng. - Modern Physics (4.5)	
Subtotal Units		6-11
Required Subtotal		39-45
Complete one of the following: ¹		19-39

LBCC General Education (Plan A) (<https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/>)

CSU GE Breadth (Plan B) (<https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/>)

IGETC Pattern (Plan C) (<https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/>)

Electives (as needed to reach 60 degree-applicable units) ²

Minimum Degree Total **60**

¹ Units for the major may be double-counted for LBCC GE, CSU GE, or IGETC; see counselor for limitations.

² Elective units from course(s) numbered 1-599, if needed, to reach 60 degree-applicable units.